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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/716,561
				Filing Date	November 20, 2003
				First Named Inventor	Craig C. HANSEN, et al.
				Group Art Unit	2183
				Examiner Name	CHAN, EDDIE P
Sheet	1	of	10	Attorney Docket Number	43876-151

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
C.C.	AA	US-4,852,098	07/25/1989	Brechard, et al.	
	AB	US-4,875,161	10/17/1989	Lahti, et al.	
	AC	US-4,949,294	08/14/1990	Wambergue, et al.	
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C.C.	AS	US-5,600,814	02/04/1997	Gahan, et al.	

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C.C.	AT	WO 93/11500			

Examiner Signature	<i>Craig C. Hansen</i>	Date Considered	3/3/06
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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E.C.	AU	IEEE Draft Standard for "Scalable Coherent Interface-Low-Voltage Differential Signal Specifications and Packet Encoding", IEEE Standards Department, P1596.3/D0.15 (Mar. 1992) (50006DOC018530 – 563)			
	AV	IEEE Draft Standard for "High-Bandwidth Memory Interface Based on SCI Signaling Technology (RamLink)," IEEE Standards Department, Draft 1.25 IEEE P1596.4-199X (May 1995) (50006DOC018413 – 529)			
	AW	Gerry Kane et al., "MIPS RISC Architecture," Prentice Hall (1995) (50006DOC018576 – 848)			
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	AY	Hewlett-Packard Co., "PA-RISC 1.1 Architecture and Instruction Set," Manual Part No. 09740-90039, (1990) (50006DOC018849 – 19228)			
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	BB	Gove, "The MVP: A Highly-Integrated Video Compression Chip," IEEE Data Compression Conference, pp. 215-24 (March 1994) (51056DOC000891 – 900)			
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	BJ	Bowers et al., "Development of a Low-Cost, High Performance, Multiuser Business Server System," Hewlett-Packard Journal, Vol. 46, No. 2, p. 79 (April 1995) (51056DOC059277 – 282)			
	BJ	Gwennap, "New PA-RISC Processor Decodes MPEG Video: Hewlett-Packard's PA-7100LC Uses New Instructions to Eliminate Decoder Chip," Microprocessor Report, pp. 16-17 (January 24, 1994) (51056DOC002140 – 141)			
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E.C.	BN	Lee et al., "Real-Time Software MPEG Video Decoder on Multimedia-Enhanced PA 7100LC Processors," Hewlett-Packard Journal, Vol. 46, No. 2, pp. 60-68 (April 1995) (51056DOC013549 – 557)			

Examiner Signature	<i>Eui C. Lee</i>	Dated Considered	3/3/06
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CC-	BX	Lee, "Realtime MPEG Video via Software Decompression on a PA-RISC Processor," IEEE, pp. 186-92 (1995) (51056DOC007345 - 351)			
	BY	Martin, "An Integrated Graphics Accelerator for a Low-Cost Multimedia Workstation," Hewlett-Packard Journal, Vol. 46, No. 2, pp. 43-50 (April 1995) (51056DOC072083 - 090)			
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	CD	Beckerle, "Overview of the StarT (*T) Multithreaded Computer," IEEE COMPON '93, pp. 148-56 (February 22-26, 1993) (51056DOC002511 - 519)			
	CE	Diefendorff et al., "The Motorola 88110 Superscalar RISC Microprocessor," IEEE pp. 157-62 (1992) (51056DOC008746 - 751)			
	CF	Gipper, "Designing Systems for Flexibility, Functionality, and Performance with the 88110 Symmetric Superscalar Microprocessor," IEEE (1992) (51056DOC008758 - 763)			
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	CH	Papadopoulos et al., "*T: Integrated Building Blocks for Parallel Computing," ACM, pp. 624-35 (1993) (51056DOC007278 - 289)			
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	CK	M. Smotherman et al., "Instruction Scheduling for the Motorola 88110," IEEE, 1993 (51056DOC008784 - 789)			
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	CO	J. Maguire, "MC88110: Datpath," Northcon, 1992 (51056DOC010059 - 063)			
	CP	Abel et al., "Extensions to FORTRAN for Array Processing," ILLIAC IV Document No. 235, Department of Computer Science, University of Illinois at Urbana-Champaign (September 1, 1970) (51056DOC001630 - 646)			
	CQ	Barnes et al., "The ILLIAC IV Computer," IEEE Transactions on Computers, Vol. C-17, No. 8, pp. 746-57 (August 1968) (51056DOC012650 - 661)			
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	CS	Awaga et al., "The μ V 64-bit Vector Coprocessor: A New Implementation of High-Performance Numerical Computation," IEEE Micro, Vol. 13, No. 5, pp. 24-36 (October 1993) (51056DOC011921 - 934)			
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Examiner Signature	<i>Eui C. Chan</i>	Dated Considered	3/3/06
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		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.																																																																																																																																																																					
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		CV Broughton et al., "The S-1 Project: Top-End Computer Systems for National Security Applications," (October 24, 1985) (51056DOC057368 - 607)																																																																																																																																																																					
		CW Farmwald et al., "Signal Processing Aspects of the S-1 Multiprocessor Project," SPIE Vol. 241, Real-Time Signal Processing (1980) (51056DOC072280 - 291)																																																																																																																																																																					
		CX Farmwald, "High Bandwidth Evaluation of Elementary Functions," IEEE Proceedings, 5th Symposium on Computer Arithmetic (1981) (51056DOC071029 - 034)																																																																																																																																																																					
		CY Gilbert, "An Investigation of the Partitioning of Algorithms Across an MIMD Computing System," (February 1980) (51056DOC072244 - 279)																																																																																																																																																																					
		CZ Widdoes, "The S-1 Project: Developing High-Performance Digital Computers," IEEE Computer Society COMPCON Spring 1980 (December 11, 1979) (51056DOC071574 - 585)																																																																																																																																																																					
		DA Cornell, S-1 Uniprocessor Architecture SMA-4 (51056DOC056505 - 895)																																																																																																																																																																					
		DB The S-1 Project, January 1985, S-1 Technical Staff (51056DOC057368 - 607)																																																																																																																																																																					
		DC S-1 Architecture and Assembler SMA-4 Manual, December 19, 1979 (Preliminary Version) (51056DOC057608 - 918)																																																																																																																																																																					
		DD Michieles, "Performing the Convex Exemplar Series SPP System," Proceedings of Parallel Scientific Computing, First Intl Workshop, PARA '94, pp. 375-82 (June 20-23, 1994) (51056DOC020754 - 758)																																																																																																																																																																					
		DE Wadleigh et al., "High Performance FFT Algorithms for the Convex C4/XA Supercomputer," Poster, Conference on Supercomputing, Washington, D.C. (November 1994) (51056DOC068618)																																																																																																																																																																					
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Examiner Signature	<i>Eri Col</i>	Dated Considered	3/3/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/716 561
				Filing Date	November 20, 2003
				First Named Inventor	Craig C. HANSEN, et al.
				Group Art Unit	2183
				Examiner Name	CHAN, EDDIE P
Sheet	6	of	10	Attorney Docket Number	43876-151

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T ²
EJ	DT	Tyler et al., "AltiVec™: Bringing Vector Technology to the PowerPC™ Processor Family," IEEE (February 1999) (51056DOC071035 - 042)	
	DU	AltiVec™ Technology Programming Environments Manual (1998) (51056DOC071043 - 392)	
	DV	Atkins, "Performance and the i860 Microprocessor," IEEE Micro, pp. 24-27, 72-78 (October 1991) (5156DOC070655 - 666)	
	DW	Grimes et al., "A New Processor with 3-D Graphics Capabilities," NCGA '89 Conference Proceedings Vol. 1, pp. 275-84 (April 17-20, 1989) (5156DOC070711 - 717)	
	DX	Grimes et al., "The Intel i860 64-Bit Processor: A General-Purpose CPU with 3D Graphics Capabilities," IEEE Computer Graphics & Applications, pp. 85-94 (July 1989) (5156DOC070701 - 710)	
	DY	Kohn et al., "A 1,000,000 Transistor Microprocessor," 1989 IEEE International Solid-State Circuits Conference Digest of Technical Papers, pp. 54-55, 290 (February 15, 1989) (51056DOC072091 - 094)	
	DZ	Kohn et al., "A New Microprocessor with Vector Processing Capabilities," Electro/89 Conference Record, pp. 1-6 (April 11-13, 1989) (5156DOC070672 - 678)	
	EA	Kohn et al., "Introducing the Intel i860 64-Bit Microprocessor," IEEE Micro, pp. 15-30 (August 1989) (5156DOC070627 - 642)	
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	EC	Margulis, "i860 Microprocessor Architecture," Intel Corporation (1990) (51056DOC066610 - 7265 and 5156DOC069971 - 7026)	
	ED	Mittal et al., "MMX Technology Architecture Overview," Intel Technology Journal Q3 '97, pp. 1-12 (1997) (5156DOC070689 - 700)	
	EE	Patel et al., "Architectural Features of the i860 – Microprocessor RISC Core and On-Chip Caches," IEEE, pp. 385-90 (1989) (5156DOC070679 - 684)	
	EF	Rhodchamel, "The Bus Interface and Paging Units of the i860 Microprocessor," IEEE, pp. 380-84 (1989) (5156DOC070643 - 647)	
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	EH	Sit et al., "An 80 MFLOPS Floating-Point Engine in the Intel i860 Processor," IEEE, pp. 374-79 (1989) (51056DOC072095 - 101)	
	EI	i860 XP Microprocessor Data Book, Intel Corporation (May 1991) (51056DOC067266 - 427)	
	EJ	Paragon User's Guide, Intel Corporation (October 1993) (51056DOC068802 - 9097)	
	EK	N15 Micro Architecture Specification, dated April 29, 1991 (50781DOC000001 - 982)	
	EL	N15 External Architecture Specification, dated October 17, 1990 (51056DOC017511 - 551)	
	EM	N15 External Architecture Specification, dated December 14, 1990 (50781DOC001442 - 509)	
	EN	N15 Product Requirements Document, dated December 21, 1990 (50781DOC001420 - 441)	
	EO	N15 Product Implementation Plan, dated December 21, 1990 (50781DOC001794 - 851)	
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	EQ	Hansen, "Architecture of a Broadband Mediaprocessor," IEEE COMPCON 96 (February 25-29, 1996) (MU0013276 - 283 and 51057DOC001825 - 831)	
EJ	ER	Mousouris et al., "Architecture of a Broadband MediaProcessor," Microprocessor Forum (1995) (MU0048611 - 630)	

Examiner Signature	<i>Eric Col</i>	Dated Considered	3/3/06
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Sheet		7	of	10	Attorney Docket Number
		43876-151			

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E.C.	ES	Arnould et al., "The Design of Nectar: A Network Backplane for Heterogeneous Multicomputers," ACM (1989) (51056DOC020947 - 958)			
	ET	Bell, "Ultracomputers: A Teraflop Before Its Time," Communications of the ACM, (August 1992) pp. 27-47 (51056DOC020903 - 923)			
	EU	Broomell et al., "Classification Categories and Historical Development of Circuit Switching Topologies," Computing Surveys, Vol. 15, No. 2, pp 95-133 (June 1983) (51056DOC003002 - 040)			
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	EX	Fields, "Hunting for Wasted Computing Power: New Software for Computing Networks Puts Idle PC's to Work," Univ. of Wisconsin-Madison, http://www.cs.wisc.edu/condor/doc/WiscIdea.html (1993) (51056DOC068704 - 711)			
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	FG	Laudon et al., "Architectural and Implementation Tradeoffs in the Design of Multiple-Context Processors," Technical Report: CSL-TR-92-523 (May 1992) (51056DOC069301 - 327)			
	FH	Lawrie, "Access and Alignment of Data in an Array Processor," IEEE Transactions on Computers, Vol. C-24, No. 12, pp. 99-109 (December 1975) (51056DOC002932 - 942)			
	FI	Le-Ngoc, "A Gate-Array-Based Programmable Reed-Solomon Codec: Structure-Implementation-Applications," IEEE Military Communications (1990) (51056DOC071695 - 699)			
	FJ	Litzkow et al., "Condor - A Hunter of Idle Workstations," IEEE (1988) (51056DOC068712 - 719)			
	FK	Markstein, "Computation of Elementary Functions on the IBM RISC System/6000 Processor," IBM J. Res. Develop., Vol. 34, No. 1, pp 111-19 (January 1990) (51056DOC059620 - 628)			
E.C.	FL	Nienhaus, "A Fast Square Rooter Combining Algorithmic and Table Lookup Techniques," IEEE Proceedings Southeastcon, pp. 1103-05 (1989) (51056DOC061469 - 471)			
E.C.	FM	Renwick, "Building a Practical HIPPI LAN," IEEE, pp. 355-60 (1992) (51056DOC020937 - 942)			

Examiner Signature	<i>Euis Col</i>	Dated Considered	3/3/06
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{C.	FN	Rohrbacher et al., "Image Processing with the Staran Parallel Computer," IEEE Computer, Vol. 10, No. 8, pp. 54-59 (August 1977) (reprinted version pp. 119-124) (S1056DOC002943 - 948)			
	FO	Ryne, "Advanced Computers and Simulation," IEEE, pp. 3229-33 (1993) (S1056DOC020883 - 887)			
	FP	Siegel, "Interconnection Networks for SIMD Machines," IEEE Computer, Vol. 12, No. 6 (June 1979) (reprinted version pp. 110 118) (S1056DOC002949 - 957)			
	FQ	Singh et al., "A Programmable HIPPI Interface for a Graphics Supercomputer," ACM (1993) (S1056DOC020888 - 896)			
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	FV	Toyokura et al., "A Video DSP with a Macroblock-Level-Pipeline and a SIMD Type Vector-Pipelined Architecture for MPEG2 CODEC," ISSCC94, Section 4, Video and Communications Signal Processors, Paper WP 4.5, pp. 74-75 (1994) (S1056DOC003659 - 660)			
	FW	Tullsen et al., "Simultaneous Multithreading: Maximizing On-Chip Parallelism," Proceedings of the 22nd Annual International Symposium on Computer Architecture (June 1995) (S1056DOC071434 - 443)			
	FX	Turcotte, "A Survey of Software Environments for Exploiting Networked Computing Resources," Engineering Research Center for Computational Field Simulation (June 11, 1993) (S1056DOC069098 - 256)			
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	FZ	Wang, "Bit-Level Systolic Array for Fast Exponentiation in GF(2m)," IEEE Transactions on Computers, Vol. 43, No. 7, pp. 838-41 (July 1994) (S1056DOC059407 - 410)			
	GA	Ware et al., "64 Bit Monolithic Floating Point Processors," IEEE Journal of Solid-State Circuits, Vol. Sc-17, No. 5 (October 1982) (S1056DOC059646 - 655)			
	GB	"Bit Manipulator," IBM Technical Disclosure Bulletin, pp. 1575-76 (November 1974) (S1056DOC010205 - 206)			
	GC	Finney et al., "Using a Common Barrel Shifter for Operand Normalization, Operand Alignment and Operand Unpack and Pack in Floating Point," IBM Technical Disclosure Bulletin, pp. 699-701 (July 1986) (S1056DOC010207 - 209)			
	GD	Data General AViiON AV500, 550, 4500 and 5500 Servers			
	GE	Jovanovic et al., "Computational Science: Advances Through Collaboration," San Diego Supercomputer Center Science Report (1993) (S1056DOC068769 - 779)			
	GF	High Performance Computing and Communications: Toward a National Information Infrastructure, National Science Foundation (NSF) (1994) (S1056DOC068791 - 801)			
	GG	National Coordination Office for High Performance Computing and Communications, "High Performance Computing and Communications: Foundation for America's Information Future" (1996) (S1056DOC072102 - 243)			
EC	GH	Wilson, "The History of the Development of Parallel Computing," http://ei.cs.vt.edu/~history/Parallel.html (S1056DOC068720 - 757)			

Examiner Signature	<i>Eric C.L.</i>	Dated Considered	3/3/06
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Substitute for form 1449B/PTO				Complete if Known	
				Application Number	10/716,561
				Filing Date	November 20, 2003
				First Named Inventor	Craig C. HANSEN, et al.
				Group Art Unit	2183
				Examiner Name	CHAN, EDDIE P
Sheet	9	of	10	Attorney Docket Number	43876-151

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CS	GI	IEEE Standard 754 (ANSI/IEEE Std. 754-1985) (51056DOC019304 - 323)	
		Original Complaint for Patent Infringement, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed March 26, 2004	
	GJ	Amended Complaint for Patent Infringement, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed April 20, 2004	
	GK	Expert Witness Report of Richard A. Killworth, Esq., <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 12, 2005	
	GL	Declaration and Expert Witness Report of Ray Mercer Regarding Written Description and Enablement Issues, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 12, 2005	
	GM	Corrected Expert Report of Dr. Stephen B. Wicker Regarding Invalidity of U.S. Patent Nos. 5,742,840; 5,794,060; 5,764,061; 5,809,321; 6,584,482; 6,643,765; 6,725,356 and Exhibits A-1; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed October 6, 2005	
	GN	Defendants Intel and Dell's Invalidity Contentions with Exhibits A-G; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 19, 2005	
	GO	Defendants Dell Inc. and Intel Corporation's Identification of Prior Art Pursuant to 35 USC §282; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed October 7, 2005	
	GP	Request for <i>Inter Partes Reexamination</i> Under 35 USC §§ 311-318 of U.S. Patent No. 6,725,356 filed on June 28, 2005	
	GQ	Deposition of Larry Mennemeier on September 22, 2005 and Exhibit 501; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division	
	GR	Deposition of Leslie Kohn on September 22, 2005; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. /f/k/a Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division	
	GS	Intel Article, "Intel Announces Record Revenue of 9.96 Billion", October 18, 2005	
	GT	The New York Times Article, "Intel Posts 5% Profit Increase on Demand for Notebook Chips", October 19, 2005	
	GU	USA Today Article, "Intel's Revenue Grew 18% In Robust Quarter for Tech". October 19, 2005	
	GV	The Wall Street Journal Article, "Intel Says Chip Demand May Slow", October 19, 2005	
CS	GW	The New York Times Article, "Intel Settlement Revives A Fading Chip Designer", October 20, 2005	

Examiner Signature	<i>Eric Cil</i>	Dated Considered	3/3/06
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION			ATTY. DOCKET NO. 43876-151	SERIAL NO. Continuation of Application No. 10/436,340		
			APPLICANT Craig HANSEN, et al.			
			FILING DATE November 20, 2003	GROUP To be assigned		
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
EC		US 4,876,660	10/24/89	Owen et al.		
		US 4,956,801	09/11/90	Priem et al.		
		US 4,969,118	11/06/90	Montoya et al.		
		US 5,032,865	07/16/91	Schlunt		
		US 5,408,581	04/18/95	Suzuki et al.		
		US 5,500,811	03/19/96	Corry		
		US 5,557,724	9/17/1996	Sampat et al.		
		US 5,588,152	12/24/1996	Dapp et al.		
		US 5,640,543	6/17/1997	Farrell et al.		
		US 5,757,432	5/26/1998	Dulong et al.		
		US 5,802,336	9/1/1998	Peleg et al.		
		US 5,809,292	9/15/1998	Wilkinson et al.		
		US 5,818,739	10/6/1998	Peleg et al.		
EC		US 5,825,677	10/20/1998	Agarwal et al.		
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number + Kind Codes (if known)	Publication Date MYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation
EC		EP 0474246 A2	9/6/1991			Yes
EC		EP 0654733 A1	7/5/1994			No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
EC		L. Kohn et al. "The Visual Instruction Set (VIS) in UltraSPARC" IEEE. 1995. 462-469.				
		D. Shaver. "A General-Purpose Array Processor for Seismic Processing" (Nov - Dec 1984) January - March 1998. 15th Anniversary Issue. 5-26.				
		R. Lee. "Accelerating Multimedia with Enhanced Microprocessors" IEEE Micro. April 1995. 22-32.				
		N. Margulis. "i860 Microprocessor Architecture" 1990. 8-10, 171-175, 182-183.				
EC		A. Levinthal et al. "Parallel Computers for Graphics Applications" 1987. 193-198.				
<i>Eric C</i>			EXAMINER	DATE CONSIDERED <i>3/3/06</i>		

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			APPLICANT Craig HANSEN, et al.				
(PTO-1449)			FILING DATE November 20, 2003	GROUP To be assigned			
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CC	US	5,835,782	11/10/1998	Lin et al.			
	US	5,886,732	3/23/1999	Humbleman			
	US	5,922,066	7/13/1999	Cho et al.			
	US	5,983,257	11/9/1999	Dulong et al.			
	US	6,016,538	1/18/2000	Guttag et al.			
	US	6,092,094	7/18/2000	Ireton			
	US	6,401,194 B1	6/4/2002	Nguyen et al.			
	US	4,025,772	5/24/1977	Constant			
	US	4,489,393	12/18/1984	Kawahara, et al.			
	US	4,701,875	10/20/1987	Konishi et al.			
	US	4,727,505	2/23/1988	Konishi et al.			
	US	4,893,267	1/9/1990	Alsup et al.			
	US	4,975,868	12/4/1990	Freerksen			
EC	US	5,157,388	10/20/1992	Kohn			
FOREIGN PATENT DOCUMENTS					Translation		
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EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
CC		K. Diefendorff et al. "Organization of the Motorola 88110 Superscalar RISC Microprocessor" IEEE Micro. April 1992. 40-63.					
CC		L. Gwennap, "IBM Regains Performance Lead with Power2" Microprocessor Report. October 4, 1993. Vol. 7. No. 13. 1,6-10.					
CC		L. Gwennap, "IBM Creates Power PC Processors for AS/400" Microprocessor Report. July 31, 1995. 15-16.					
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				APPLICANT Craig HANSEN, et al.		
(PTO-1449)				FILING DATE November 20, 2003	GROUP To be assigned	
U.S. PATENT DOCUMENTS						
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C.C.	US	5,201,056	4/6/1993	Daniel et al.		
	US	5,268,855	12/7/1993	Mason et al.		
	US	5,268,995	12/7/1993	Diefendorff et al.		
	US	5,423,051	6/6/1995	Fuller et al.		
	US	5,426,600	6/20/1995	Nakagawa et al.		
	US	5,592,405	1/7/1997	Gove et al.		
	US	5,642,306	6/24/1997	Mennemeier et al.		
	US	5,656,298	9/9/1997	Peleg et al.		
	US	5,669,010	9/16/1997	Duluk, Jr.		
	US	5,673,407	9/30/1997	Poland et al.		
	US	5,675,526	10/7/1997	Peleg et al.		
	CR.	US	5,680,338	10/21/1997	Agarwal et al.	
	US					
	US					
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes -Number + Kind Codes (<i>if known</i>)	Publication Date MYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation
						Yes
						No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
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EXAMINER			DATE CONSIDERED			
<i>Eric C.C.</i>			<i>3/3/06</i>			

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(Suppl.) INFORMATION DISCLOSURE CITATION IN AN APPLICATION				ATTY. DOCKET NO. 43876-151	SERIAL NO. C ntinuation f Serial N . 10/436,340	
				APPLICANT Craig HANSEN, et al.		
(PTO-1449)				FILING DATE November 20, 2003	GROUP To be assigned	
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code(s if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
<i>CC</i>	US	4,814,976	3/21/1989	Craig C. Hansen, et al		
	US	5,996,057	11/30/1999	Hunter L. Scales, III, et al		
	US	6,041,404	3/21/2000	Patrice Roussel, et al		
	US	6,052,769	4/18/2000	Thomas R. Huff, et al		
	US	6,173,393 B1	1/9/2001	Salvador Palanca, et al		
<i>EC</i>	US	6,275,834 B1	8/14/2001	Derrick Chu Lin, et al		
	US					
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FOREIGN/PATENT DOCUMENTS						
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						No
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EXAMINER <i>Eric C. Lin</i>		DATE CONSIDERED <i>3/3/06</i>				

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SHEET 1 OF 11

INFORMATION DISCLOSURE CITATION IN AN APPLICATION				ATTY. DOCKET NO. 043876-0151	SERIAL NO. 10/716,561		
(PTO-1449)				APPLICANT HANSEN, C., et al.			
				FILING DATE November 20, 2003	GROUP 2818		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code(s if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
EC	US	4,658,349 A	05/14/1987	Gafken			
	US	4,852,098	07/25/1989	Brechard et al.			
	US	4,875,161	10/17/1989	Lahti			
	US	4,949,294	08/14/1990	Wambergue			
	US	4,953,073	08/28/1990	Moussouris et al.			
	US	4,959,779	09/25/1990	Weber et al.			
	US	5,113,506	05/12/1992	Moussouris et al.			
	US	5,181,247	11/3/1992	Murakami et al.			
	US	5,208,914	05/04/1993	Wilson et al.			
	US	5,231,646	07/27/1993	Health et al			
	US	5,233,690	08/03/1993	Shelock et al.			
	US	5,268,995	12/07/1993	Diefendorff et al.			
	US	5,347,643 A	09/13/1994	Kondo Nobukazu et al.			
	US	5,412,728 a	05/03/1995	Besnard Christian et al.			
	US	5,430,660 A	07/04/1995	John Hengeveld et al.			
	US	5,471,628	11/28/1995	Phillips et al.			
	US	5,515,520	05/07/1996	Hatta et al.			
	US	5,533,185	07/02/1996	Lentz et al.			
	US	5,590,365	12/31/1996	Ide et al.			
	US	5,636,351	06/03/1997	Lee			
US	5,742,840	04/21/1998	Hansen et al.				
US	5,778,412 A	07/07/1998	Gafken				
US	5,828,869	10/27/1998	Johnson et al.				
US	5,996,057	11/30/1999	Scales, III et al.				
US	6,453,368 B2	09/17/2002	Yamamoto				
EC	US	6,657,908 B1	05/20/2003	Furuhashi			
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number & Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes	Translation No
EC		JP 3268024	11/28/1991	Hitachi Ltd.			
		EP 0 468 820 A2	01/29/1992	Fujitsu Limited			
		WO 93/01585	01/21/1993	Seiko Epson Corporation			
		CA 1 323 451	10/18/1993	Northern Telecom Ltd.			
		JP 6005843	04/08/1994	IBM			
		EP 0 651 321 A	05/03/1995	Advanced Micro Devices Inc.			
		EP 0 654 733 A1	05/24/1995	Hewlett-Packard			
		JP-S60-217435	10/31/1985	Toshiba Corp.			
		WO 97/07450	02/27/1997	Micronity Systems Engineering, Inc.			
EXAMINER <i>Eric C.</i>				DATE CONSIDERED <i>3/3/06</i>			

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CC	L-1	Ide, et al., "A 320-MFLOPS CMOS Floating-point Processing Unit for Superscalar Processors," p. 12-21, 28 March 1993, IEEE J. OF SOLID-STATE CIRCUITS.	
	L-2	K. Uchiyama et al., The Gmicro/500 Superscalar Microprocessor with Branch Buffers, IEEE Micro, October 1993, p. 12-21.	
	L-3	Ruby B. Lee, Realtime MPEG Video Via Software Decompression on a PA-RISC Processor, IEEE (1995).	
	L-4	Karl M. Guttag et al. "The TMS34010: An Embedded Microprocessor", IEEE June 1988, p. 186-190.	
	L-5	M. Awaga et al., "The μVP 64-bit Vector Coprocessor: A New Implementation of High-Performance Numerical Computation", IEEE Micro, Vol. 13, No. 5, October 1993, p.24-36.	
	L-6	Tom Asprey et al., "Performance Features of the PA7100 Microprocessor", IEEE Micro (June 1993), p. 22-35.	
	L-7	Gove, Robert J., "The MVP: A Highly-Integrated Video Compression Chip," IEEE Data Compression Conf., March (1994) , pp. 215-224.	
	L-8	Woobin Lee, et al., "Mediastation 5000: Integrating Video and Audio," IEEE Multimedia, 1994, pp. 50-61.	
	L-9	Karl, Guttag et. al "A Single-Chip Multiprocessor for Multimedia: The MVP," IEEE Computer Graphics & Applications, November, 1992, p. 53-64.	
	L-10	TMS320C80 (MVP) Master Processor User's Guide, Texas Instruments, March, 1995, p. 1-33.	
	L-11	TMS320C80 (MVP) Parallel Processor User's Guide ["PP"]; Texas Instruments March 1995, p. 1-80.	
	L-12	Shipnes, Julie, "Graphics Processing with the 88110 RISC Microprocessor," IEEE COMPCOM, (Spring, 1992) pp. 169-174.	
	L-13	ILLIAC IV: Systems Characteristics and Programming Manual, May 1, 1972, p. 1-78.	
	L-14	N. Abel et al., ILLIAC IV Doc. No. 233, "Language Specifications for a Fortran-Like Higher Level Language for ILLIAV IV, August 28, 1970, p. 1-51.	
	L-15	ILLIAC IV Quarterly Progress Report: October, November, December 1969; Published January 15, 1970, pp. 1-15.	
CC	L-16	N.E. Abel et al., Extensions to Fortran for Array Processing (1970) pp. 1-16.	
<i>Elli Cl</i>		EXAMINER	DATE CONSIDERED
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		FILING DATE November 20, 2003	GROUP 2818
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<i>EC</i>	L-17	Morris A, Knapp et al.ILLIAC IV Systems Characteristics and Programming Manual (1972) "Bulk Storage Applications in the ILLIAC IV System," p. 1-10.	
	L-18	Rohrbacher, Donald, et al., "Image Processing with the Staran Parallel Computer," IEEE Computer, Vol. 10, No. 8, pp 54-59 (August, 1977) (reprinted version pp 119-124).	
	L-19	Siegel, Howard Jay, "Interconnection Networks for SIMD Machines," IEEE Computer, Vol. 12, No. 6, (June, 1979) (reprinted version pp 110-118).	
	L-20	Mike Chastain, et. al., "The Convex C240 Architecture", Conference of Supercomputing, IEEE 1988, p. 321-329.	
	L-21	Gwennap, Linley, "New PA-RISC Processor Decodes MPEG Video: HP's PA-71 00LC Uses New Instructions to Eliminate Decoder Chip," Microprocessor Report, (January 24, 1994) pp. 16-17.	
	L-22	Patrick Knebel et al., "HP's PA7100LC: A Low-Cost Superscalar PARISC Processor," IEEE (1993), pp. 441-447.	
	L-23	Kurpanek et al., "PA7200: A PA-RISC Processor with Integrated High Performance MP Bus Interface," EEEE (1994), pp. 375-82.	
	L-24	Hewlett Packard, PA-RJSC 1.1 Architecture and Instruction Set Reference Manual, 3rd ed. Feb. 1994, pp. 1-424.	
	L-25	Margaret Simmons, et. al "A Performance Comparison of Three Supercomputers – Fujitsu VP-2600, NEC SX-3, and Cray Y-MP",. 1991 ACM, p. 150-157.	
	L-26	Smith, J. E., "Dynamic Instruction Scheduling and the Astronautics ZS-1," Computer, Vol. 22, No. 7, July 1989, at 21-35 and/or the Astronautics ZS-1 computers made used, and/or sold in the United States, pp. 159-173.	
	L-27	Nikhil et al., "T: A Multithreaded Massively Parallel Architecture" Computation Structures Group Memo 325-2 (March 5, 1992) , pp. 1-13.	
<i>EC</i>	L-28	Undy, et al., "A Low-Cost Graphics and Multimedia Workstation Chip Set," IEEE pp. 10-22 (1994).	
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